

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION FACT SHEET

(pursuant to NAC 445A.236)

Permittee Name: Truckee Meadows Water Authority
P. O. Box 50368
Reno, NV 89520

Permit Number: NV0022756

Location: Chalk Bluff Water Treatment Facility
9605 S. McCarran Blvd.
Reno, Washoe County, NV 89523

Latitude: 39° 30' 45"N,
Longitude: 119° 51' 30"W
Township 19N, Range 19E, Section 16 & 17

General:

Truckee Meadows Water Authority owns and operates the Chalk Bluff Water Treatment Facility. The facility produces drinking water for the City of Reno and the surrounding area, from water diverted from the Truckee River via the Highland Ditch system. The diverted water is treated to remove sediments and suspended solids, and is then disinfected, using conventional coagulation/flocculation and chlorination processes, respectively. The facility is permitted to conduct intermittent discharges of untreated and/or partially treated water back to the Truckee River in the event of mechanical, operational, seasonal storm flow, or other emergency conditions. The cited situations are considered de minimus, and Truckee Meadows Water Authority is not required to obtain a waste load allocation (WLA). Due to the small amounts of process chemical additions during treatment and their subsequent removal from the treatment stream, it is believed that little potential exists to degrade waters of the State. The renewed permit has no substantial changes from the previous permit. The Permittee has complied with all permit requirements during the term of the current permit, and during all prior permit terms.

Discharge Flow and Characteristics

During the term of the current permit, the Chalk Bluff facility has had no discharges. Because of the nature of the potential discharges, the flow volume and characteristics will vary depending on the specific event requiring the discharge.

Receiving Water Characteristics:

The potential discharges would be to the Truckee River, both above and below the Idlewild control point. Therefore, the water quality standards listed in Nevada Administrative Code (NAC) 445A.185 apply. Treated or partially treated water must meet the requirements to maintain existing higher water quality.

Proposed Effluent Limitations and Monitoring Requirements:

| PARAMETER | | DISCHARGE LIMITATIONS | | MONITORING REQUIREMENTS | |
|-------------------------|--|-----------------------|-------|-------------------------|-------------|
| | | Average | Daily | Measurement Frequency | Sample Type |
| Raw Water Discharge | Flow (gallons) | Monitor & Report | | Daily | Meter |
| | TSS ¹ (mg/l) | Monitor & Report | | Daily | Discrete |
| | pH (Standard Units) | Monitor & Report | | Daily | Discrete |
| | Temperature (° C) | Monitor & Report | | Daily | Discrete |
| Treated Water Discharge | Flow (gallons) | Monitor & Report | | Daily | Meter |
| | Temperature (° C) | Monitor & Report | | Daily | Discrete |
| | pH (Standard Units) | 7.2 to 8.3 | | Daily | Discrete |
| | Turbidity (NTU) | 6 | 9 | Daily | Discrete |
| | Total Chlorine Residual (mg/l) | --- | 0.01 | Daily | Discrete |
| | Fecal Coliform (CFU/100 ml) ³ | 50 | 200 | Daily | Discrete |
| | TSS ¹ | | | | |
| | Concentration (mg/l) | 15 | --- | Daily | Discrete |
| | Mass Loading (lbs/day) | Monitor & Report | | | |
| | TDS ² | | | | |
| | Concentration (mg/l) | 80.0 | 95.0 | Daily | Discrete |
| | Mass Loading (lbs/day) | Monitor & Report | | | |
| | Chlorine Residual (Total) | | | | |
| | Concentration (mg/l) | --- | 0.01 | Daily | Discrete |
| Mass Loading (lbs/day) | Monitor & Report | | | | |

1. Total Suspended Solids.
2. Total Dissolved Solids.
3. Colony Forming Units / 100 ml.

Rationale for Permit Requirements:

Monitoring per the above permit requirements will assess the quality of any water discharged, and will ensure that the water quality of the Truckee River is not degraded. As stated, the water entering the facility should be essentially the same water that is discharged, so it is believed that little potential exists to degrade waters of the United States. Water quality standards listed in NAC 445A.185 for maintenance of existing higher quality waters have been applied. There are no listed discharge parameters or limits that apply to this type of discharge in Chapter 40 of the Code of Federal Regulation effluent limitation guidelines.

The chlorine residual limit of 0.01 mg/l is the aquatic life standard stated in the Gold Book, and

is generally adhered to for all discharges to the Truckee River that are applicable.

Schedule of Compliance:

1. The Permittee shall achieve compliance with the NPDES permit on issuance.
2. Within 60 days of permit issuance, the Permittee shall submit an updated Water Management Plan (WMP), describing the management of the potential raw water and treated water discharges.

Procedures for Public Comment:

The Notice of the Division's intent to issue an NPDES permit authorizing this facility to discharge into the Highland Ditch System and ultimately to the Truckee River for a five-year period, subject to the conditions contained within the permit, is being sent to the **Reno Gazette Journal** for publication. The Notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of thirty (30) days following the date of publication of the public notice in the newspaper. The comment period can be extended at the discretion of the Administrator. The deadline date and time by which all comments are to be submitted (via postmarked mail or time-stamped faxes, e-mails, or hand-delivered items) to the Division is **April 4, 2005 by 5:00 P.M.**

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination:

The Division has made the tentative determination to renew the proposed NPDES discharge permit for a period of five (5) years

Prepared by: Janine O. Hartley
Staff Engineer II
February 2005